Book 13856 Page	Project No. 443 Project Page DD /
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4.10.5	WP26-251 Merck Research Laboratories 8 Oct. 1997 West Point, Pa. 19486
	Ordering Person: William McClements Phone 215 652 7861 P.O. Number to be generated Purity DRY EP GF AE PAGE Other
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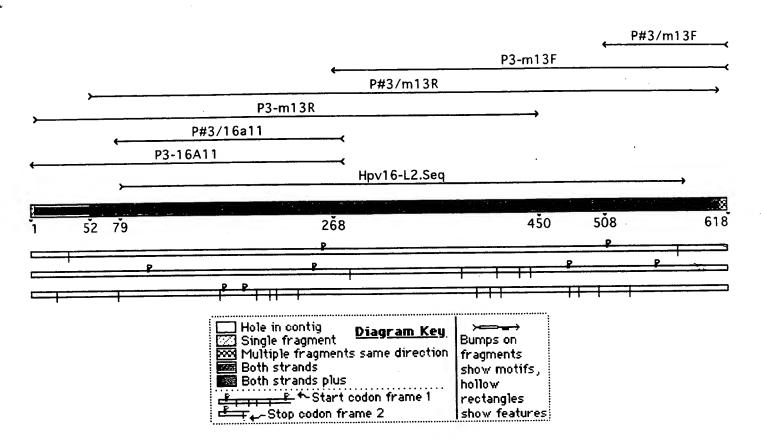
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TACCTAA GGT CATCGGCTAC CCAACTTTAT AAAACATGCA AACAGGCAGG TACATGTTCA CCTGACATTA TACCTAAGGT TACCTAAGGT CCTGACATTA TACCTAAGGT TACCTAAGGT CCTGACATTA CCTGACATTA CCTGACATTA CATCGGCTAC CCAACTTTAT AAAACATGCA AACAGGCAGG TACATGTCCA CATCGGCTAC CCAACTTTAT AAAACATGCA AACAGGCAGG TACATGTCCA CATCGCTAC CCAACTTTAT AAAACATGCA AACAGGCAGG TACATGTCCA CATCGGCTAC CCAACTTTAT AAAACATGCA AACAGGCAGG TACATGTCCA

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P#3 Clone Sequencher™ "Min. vector"

> 42 P3-m13F 42 P#3/m13R 42 P3-m13R 42 P#3/16a11 42 P3-16A11 42 Hpv16-L2.Seq #211

TGGGTTAGGA TGGGTTAGGA TTTTTGG TGGGTTAGGA TGGGTTAGGA TATTTTTG: TG TGAAGGCAAA ACTATTGCTG ATCAAATATT ACAATATGGA AGTATGGGTG TATTTTTGG ACTATTGCTG ATCAAATATT ACAATATGGA AGTATGGGTG TATTTTTTGG TATTTTGG ACTATTGCTG ATCAAATATT ACAATATGGA AGTATGGGTG TATTTTTTG: TGAAGGCAAA ACTATTGCTG ATCAAATATT ACAATATGGA AGTATGGGTG TGAAGGCAAA ACTATTGCTG ATCAAATATT ACAATATGGA AGTATGGGTG

TGAAGGCAAA ACTATIGCTG ATCAAATATT ACAATATGGA AGTATGGGTG TATTTTTTGG TGGGTTAGGA

TGCAAATACA ACAATTCCTT ATTGGAACAG GGTCGGGTAC AGGCGGCCGC GAGCTCGAGG GTTATATTCC TGCAAATACA ACAATTCCTT ATTGGAACA: GGTCGGGTAC AGGCGGCCGC GAGCTCGAGG GTTATATTCC TGCAAATACA ACAATTCCTI ATTGGAACAG GGTCGGGTAC AGGCGGCCGC GAGCTCGAGG GTTATATTCC TGCAAATACA ACAATTCCTT ATTGGAACAG GGTCGGGTAC AGGCGGCCGC GAGCTCGAGG GTTATATTCC

ATTGGAACAG GGTCGGGTAC AGGCGGCCGC GAGCTCGAGG GTTATATTCC TGCAAATACA ACAATTCCTT

42 P3-m13F 42 P#3/m13R 42 P3-m13R 42 Hpv16-L2.Seq

TTGGTGGTGC ATACAATATT CCTTTAGTAT CAGGTCCTGA TATACCCATT AATATAACTG ACCAAGCTCC TTGGTGGTGC ATACAATATT CCTTTAGTAT CAGGTCCTGA TATACCCATT AATATAACTG ACCAAGCTCC TTGGTGGTGC ATACAATATT CCTTTAGTAF CAGGTCCTGA TATACCCATT AATATAACTG AACAAGCTCC TATACCCATT AATATAACTG ACCAAGCTCC TTGGTGGTGC ATACAATATT CCTTTAGTAT CAGGTCCTGA

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Friday, December 5, 1997

Page 2 of 3

P#3 Clone Sequencher™ "Min. vector"

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TTTTTCAGAT GTCTCTTTGG ACATGTT ACGAAAACGA CGTAAACGTT TACCATATTT TTTTTCAGAT GTCTCTTTGG TTTTTCAGAT GTCTCTTTGG TITITCAGAT GICTCITIGG CATCCTAGTT ATTACATGTT ACGAAAACGA CGTAAACGTT TACCATATTT CATCCTAGTT ATTACATGTT ACGAAAACGA CGTAAACGTT TACCATATTT CATCCTAGTT ATTACATGTT ACGAAAACGA CGTAAACGTT TACCATATTT

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42 P#3/m13F 42 P3-m13F 42 P#3/m13R 42 Hpv16-L2.Seq

CTGCCTAGAG ATCTGGAGGG CGGATCCCCC GGGCTGCAGG AATTCGATAT CAA CTGCCTAGAG ATCTGGAGGG CGGATCCCCC GGGCTGCAGG AATTCGATAT CAA CTGCCTAGAG ATCTGGAGGG CGGATCCCCC GGGCTGCAGG AATTC CTGCCTAGAG ATCT CTGCCTAGAG ATCTGGAGGG CGGATCCCCC GGGCTGCAGG AATTCGATAT CAA

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10mM dNTPs	s	Stratagene/ #027615	51	0.8μΜ	4µL	440al
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5µM Primer	#2	233 b2		0.2μΜ	2µL	220m
Taq Gold		Perkin Elmer/ #G109	2	1.25U	0.2μL	27.5m
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Above digest would release a ~ 550 bp Frag if no 1667 was present or ~ 900 bp if 1667 was socated w/in Bal II Sma I Top Conditions for Bigast: Digest DNA 7 37°C 30', 25°C, 30' 10x Aby 2 Run on 1.2 v. Aganose		
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Method: H20 10 x lag lang w/ N 10 min dilut fs Arimen MNSI Templatio Tag Pol SU/x	9 (BMB) 52 (BMB) 72 05 05 1.0 1.0 1.0 1.0 1.0		94°C 30" Dach 15 cycles 72°C hold > 4°C 00 -20°C
Bel Deparate Digestion: Cut 1/3rd W DNA 10 IOX H Dugger	1.8% LMP Klgeras Resuspend 3 KhoI (hom) 1/3 rd w DNA	/ Not I , 1/3 19	Uncot E299-1 E300- 143/97
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